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(12) United States Patent

Osendorf et al.

(54) ASSEMBLIES; COMPONENTS AND FILTER FEATURES THEREOF; AND, METHODS OF USE AND ASSEMBLY

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See application file for complete search history.

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(57) ABSTRACT

Air cleaner assemblies, components therefor, and features thereof are described. Also described are methods of assembly and use. In depicted examples, the air cleaner assemblies and components optionally use advantageous housing seal features. Also, an advantageous resonator/sonic choke arrangement, which is optional and which can be used without the advantageous housing seal, is described. Methods of assembly and use are described.

19 Claims, 129 Drawing Sheets

